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| 1 | <input type="checkbox"/> | <input type="checkbox"/> | US 6278795 B1 | 20010821 | 81 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | US 6257389 B1 | 20010710 | 6 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | US 6256407 B1 | 20010703 | 77 |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | US 6241069 B1 | 20010605 | 55 |
| 5 | <input type="checkbox"/> | <input type="checkbox"/> | US 6237739 B1 | 20010529 | 43 |
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| 7 | <input type="checkbox"/> | <input type="checkbox"/> | US 6220419 B1 | 20010424 | 71 |
| 8 | <input type="checkbox"/> | <input type="checkbox"/> | US 6172745 B1 | 20010109 | 11 |
| 9 | <input type="checkbox"/> | <input type="checkbox"/> | US 6163034 A | 20001219 | 5 |
| 10 | <input type="checkbox"/> | <input type="checkbox"/> | US 6142284 A | 20001107 | 7 |
| 11 | <input type="checkbox"/> | <input type="checkbox"/> | US 6101266 A | 20000808 | 27 |
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | US 6044952 A | 20000404 | 23 |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | US 6039645 A | 20000321 | 29 |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | US 6026175 A | 20000215 | 17 |
| 15 | <input type="checkbox"/> | <input type="checkbox"/> | US 5992601 A | 19991130 | 82 |
| 16 | <input type="checkbox"/> | <input type="checkbox"/> | US 5982918 A | 19991109 | 138 |
| 17 | <input type="checkbox"/> | <input type="checkbox"/> | US 5966456 A | 19991012 | 44 |
| 18 | <input type="checkbox"/> | <input type="checkbox"/> | US 5960103 A | 19990928 | 25 |
| 19 | <input type="checkbox"/> | <input type="checkbox"/> | US 5940623 A | 19990817 | 47 |

| | Title | Current OR | Current XRef |
|----|---|-------------------|-----------------------------|
| 1 | Multi-pocket currency discriminator | 382/135 | 194/206 |
| 2 | Device for examining securities | 194/207 | 194/206 |
| 3 | Color scanhead and currency handling system employing the same | 382/135 | 358/514 ; 382/321 |
| 4 | Intelligent currency handling system | 194/207 | 382/135 |
| 5 | Intelligent document handling system | 194/207 | 382/135 |
| 6 | Bank note validator | 194/207 | 250/556 |
| 7 | Method and apparatus for discriminating and counting documents | 194/207 | 250/556 |
| 8 | Sensing device | 356/71 | 356/445 ; 356/448 |
| 9 | Optical sensor with planar wall | 250/556 | 250/226 ; 250/557 |
| 10 | Modular bill acceptor | 194/207 | |
| 11 | Apparatus and method of determining conditions of bank notes | 382/135 | 382/322 |
| 12 | Multi-function optical sensor for a document acceptor | 194/207 | 250/556 |
| 13 | Software loading system for a coin sorter | 453/10 | |
| 14 | Currency discriminator and authenticator having the capability of having its sensing characteristics remotely altered | 382/135 | 209/534 ; 705/21 |
| 15 | Method and apparatus for document identification and authentication | 194/207 | 382/135 |
| 16 | Automatic funds processing system | 382/135 | 382/136 ; 705/43 |
| 17 | Method and apparatus for discriminating and counting documents | 382/135 | 382/318 ; 382/320 ; 382/321 |
| 18 | Method and apparatus for authenticating and discriminating currency | 382/135 | 194/207 |
| 19 | Software loading system for a coin wrapper | 717/11 | 453/31 ; 705/25 |

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| 20 | <input type="checkbox"/> | <input type="checkbox"/> | US 5923413 A | 19990713 | 28 |
| 21 | <input type="checkbox"/> | <input type="checkbox"/> | US 5918960 A | 19990706 | 19 |
| 22 | <input type="checkbox"/> | <input type="checkbox"/> | US 5915518 A | 19990629 | 17 |
| 23 | <input type="checkbox"/> | <input type="checkbox"/> | US 5914486 A | 19990622 | 19 |
| 24 | <input type="checkbox"/> | <input type="checkbox"/> | US 5912982 A | 19990615 | 142 |
| 25 | <input type="checkbox"/> | <input type="checkbox"/> | US 5909503 A | 19990601 | 24 |
| 26 | <input type="checkbox"/> | <input type="checkbox"/> | US 5905810 A | 19990518 | 133 |
| 27 | <input type="checkbox"/> | <input type="checkbox"/> | US 5896192 A | 19990420 | 10 |
| 28 | <input type="checkbox"/> | <input type="checkbox"/> | US 5806649 A | 19980915 | 9 |
| 29 | <input type="checkbox"/> | <input type="checkbox"/> | US 5790697 A | 19980804 | 144 |
| 30 | <input type="checkbox"/> | <input type="checkbox"/> | US 5790693 A | 19980804 | 27 |
| 31 | <input type="checkbox"/> | <input type="checkbox"/> | US 5640463 A | 19970617 | 9 |
| 32 | <input type="checkbox"/> | <input type="checkbox"/> | US 5498879 A | 19960312 | 11 |
| 33 | <input type="checkbox"/> | <input type="checkbox"/> | US 5304813 A | 19940419 | 9 |

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|----|---|-------------------|---|
| 20 | Universal bank note denominator and validator | 356/71 | 356/434 ; 356/435 ; 356/444 ; 356/448 |
| 21 | Detection of counterfeit objects, for instance counterfeit banknotes | 356/71 | |
| 22 | Detection of counterfeit objects, for instance counterfeit banknotes | 194/207 | 356/71 |
| 23 | Color image reader | 250/226 | 250/208.1 ; 358/514 |
| 24 | Method and apparatus for discriminating and counting documents | 382/135 | |
| 25 | Method and apparatus for currency discriminator and authenticator | 382/135 | 382/318 ; 382/320 ; 382/321 |
| 26 | Automatic currency processing system | 382/135 | 194/206 |
| 27 | Apparatus for discriminating bills which have a transparent portion | 356/71 | 250/559.4 ; 250/559.44 ; 283/85 ; 283/91 ; 356/326 ; 356/416 ; 356/73 |
| 28 | Paper currency validator | 194/203 | 194/207 ; 250/556 |
| 29 | Method and apparatus for discriminating and counting documents | 382/135 | 209/546 ; 209/548 |
| 30 | Currency discriminator and authenticator | 382/135 | 382/191 ; 382/209 ; 382/318 ; 382/320 ; 382/321 |
| 31 | Method and apparatus for authenticating documents including currency | 382/135 | 194/207 |
| 32 | Apparatus for the optical recognition of documents by photoelectric elements having vision angles with different length and width | 250/556 | 250/226 ; 356/71 |
| 33 | Apparatus for the optical recognition of documents | 250/556 | 250/226 ; 356/71 |

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| 34 | <input type="checkbox"/> | <input type="checkbox"/> | US 5304813 A | 19940419 | 9 |
| 35 | <input type="checkbox"/> | <input type="checkbox"/> | WO 9731340 A1 | 19971006 | 21 |
| 36 | <input type="checkbox"/> | <input type="checkbox"/> | US 5938044 A | 19990817 | 65 |
| 37 | <input type="checkbox"/> | <input type="checkbox"/> | US B1 6172745 | 20010917 | 11 |
| 38 | <input type="checkbox"/> | <input type="checkbox"/> | EP A3 744716 | 20000501 | 1 |

| | Title | Current OR | Current XRef |
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| 34 | Apparatus for the optical recognition of documents | | |
| 35 | <p>Optical lighting and reflection system for scanning unit - has two</p> <p>light sources with central detector and lens systems spreading light</p> <p>over band of substrate</p> | | |
| 36 | <p>Separating currency bills into several recognisable denominations -</p> <p>determining denomination of bill based upon position of security thread</p> <p>and determining authenticity based upon colour after illuminating bill</p> <p>with light e.g. in visible or ultraviolet range</p> | | |
| 37 | <p>Optical sensing device for document, e.g banknote, on transport path of</p> <p>validator - has light guide having its light receiving end coupled to</p> <p>groups of light emitting diodes to convey light</p> | | |
| 38 | <p>Determining authenticity of document - multiplying intensity values</p> <p>treated as components of vector by sets of weighting coeffs. to provide</p> <p>set of discriminant function values which are compared to threshold</p> | | |

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| 39 | <input type="checkbox"/> | <input type="checkbox"/> | EP A3 | 725375 | 20000501 |
| 40 | <input type="checkbox"/> | <input type="checkbox"/> | US 5304813 A | 19940419 | 9 |

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| 39 | <p>Optical scanning device for authenticating banknotes - scans banknote</p> <p>scanned by light that is passed through beam splitters to feed multiple wavelength detectors and</p> | | |
| 40 | <p>Optical document identification system - uses light sources providing</p> <p>narrow spectral range light pulses in respective colour ranges</p> | | |